

June 22, 1954

Dr. C. C. Lindgren
Biological Research Laboratory
University of Southern Illinois
Carbondale, Illinois

Dear Carl:

Thank you for sending the ms. of your discussion. I think this is an excellent occasion to air the matter, and hope that Dr. Hollaender will not be discouraged by its length. Have you sent a copy to Perkins also? I don't know whether he has left already for Glasgow or not.

It will take some time to go over this, and it happens that I am also enmired in the revision (practically rewriting) of my own fairly long talk at the symposium, the transcripts having been delayed so long that other matters had to be taken care of first. I have therefore asked Jim Crow and his student, Branch Howe, to look it over, and should we have any critical comment, we will let you know as soon as possible. Branch, as I hope I have told you, has been working on interference in the sex chromosome, using biochemical markers. His data are not yet extensive enough to judge whether there is significant chromosome interference; he finds rather less chromatid coincidence than you first reported, but is not prepared to say whether there is some or none. At my suggestion, his tests included a centromere marker on another chromosome, and would now indicate a frequency of slippage of about $1/2\%$ (i.e. coincidental double-crossover across the centromere I and postreduction of the marker on II). He will doubtless write by you in greater detail about this when his data permit.

May I take this occasion also to answer your note of April 28 on the numbers of the second ~~4/4~~ pair of yeast stocks you sent. These were 15189a and 14854q. It happens that these are both rather clumpy, and the latter grows rather poorly (for our purposes), and we will probably make more use of some other stocks we have received. Still, as long as these are filed with us we should know what they are. [This does not, I hope, preclude future appeals for help].

Best regards to Gerry,

Yours sincerely,

Joshua Lederberg
Professor of Genetics